

REMARKS

Claims 1-4 and 7-10 are pending in the application. Claims 1 and 4 herewith are amended. Claims presently active are claims 1 (amended), 2-3, 4 (amended), and 7-10.

Claims 1-4 and 7-10 stand rejected under 35 U.S.C. 112, second paragraph. The rejection is traversed.

Applicants respectfully direct the Examiner's attention to Applicants' specification at page 5, lines 24 - 27 for support of Applicants' claim, as amended. More particularly, according to Applicants' specification, "The novel and unobvious design of the second molten resin flow path 38 on the surface of parting line 54 allows the vented molten resin 14 to come out of the mold 24 with the part...." Applicants' claim 1 provides that the molded part is released simultaneously from the mold when a certain pressure in the first molten resin flow path is reached. Applicants have respectfully made necessary amendments to the claims in accordance with the Examiner's comments in the Office Action. These amendments are deemed to now conform the claims to the requirements of the rules.

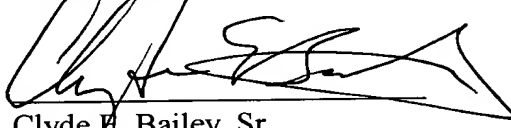
Applicants have reviewed the prior art made of record and believe that singly or in any suitable combination, they do not render Applicants' claimed invention unpatentable.

In view of the foregoing remarks and amendment, the claims 1 (amended), 2-3, 4 (amended), and 7-10 are now deemed allowable and such favorable action is courteously solicited.

Should the Examiner consider that additional amendments are necessary to place the application in condition for allowance, the favor is requested of a telephone call to the undersigned counsel for the purpose of discussing such amendments.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page(s) is captioned "**Version With Markings To Show Changes Made.**"

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Clyde E. Bailey, Sr.', written over a horizontal line.

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Enclosures: Version With Markings To Show Changes Made



Version With Markings To Show Changes Made

In the Claims:

Claims 1 and 4 have been amended as set forth below:

1. (Amended) An injection molding apparatus for making a molded part, comprising:
 - an injection molding machine for injecting molten resin, said injection molding machine including a screw cylinder having a tip, a nozzle at said tip and a threaded screw advanceable in said screw cylinder for injecting molten resin from said nozzle, said injection molding machine further having structurally associated therewith a stationary portion and a movable mold portion forming a mold parting line therebetween;
 - a non-metallic injection mold comprising a cavity mold and a core mold forming a hollow therebetween for forming an injection molded product therein, said cavity mold being accessible by said stationary portion and said movable mold portion;
 - a first molten resin flow path extending from inside said screw cylinder to a terminal end of said hollow; and,
 - a pressure relief valve located on said mold parting line [against] in an engaged state relative to said first molten resin flow path at said terminal end of said hollow and adapted to release said molten resin from said first molten resin flow path into [said] a second molten resin flow path when pressure of said molten resin in said first molten resin flow path exceeds a predetermined value [thereby simultaneously releasing] and causes said molded part to be released from said cavity mold while said pressure relief value is in a retracted state.

4. (Amended) The apparatus recited in claim 1 wherein said pressure relief valve comprises a movable pin actuated by a spring bias, said movable pin being adapted for movement between a first position [blocking] that blocks said molten resin when said pressure is less than said predetermined value; and, to a second position [releasing] that releases said molten resin in said first molten resin

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flow path into a second molten resin flow path in fluid communications with said first molten resin flow path thereby relieving pressure in said first molten resin flow path.